

Indian Institute of Information Technology, Sri City, Chittoor

INFORMATION RETRIEVAL

DURATION: 15 MINUTES. MAX MARKS: 4.

ROLL NO.: _____

NAME: _____

Instructions

- This is an open book test. Mobile phones with or without internet access is allowed. You may talk to your neighbour. You must answer both questions satisfactorily to earn full marks.
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Question 1: Take any three random sentences from any source. Each sentence should at least have three words in it. There must be at least two common words between any two of these sentences after stop word removal.

Note: You will get zero marks if your classmate also uses at least one same sentence irrespective of whether stemming and stop word removal are applied. So, try to pick sentences very different from your neighbour.

If these sentences form documents in your collection, draw the positional inverted index that would be built for this collection of yours.

Sentence 1:

Sentence 2:

Sentence 3:

Positional Inverted Index:

Question 2: For a boolean query such as x AND y AND z where x, y and z are terms in your index, is the query processing order important? If yes, take an example from your own work above and explain why.
